Attorney's Docket No. 3576-010027

NOV 1 9 2003

AMENDMENT TRANSMITTAL LETTER

RADEN	Mail Stop Non-Fee Amendn	nent				
	Commissioner for Patents		RECE	IVED		
	P.O. Box 1450		NOV 2 5 2003			
	Alexandria, VA 22313-145	0				
	Serial No.: 09/777,603  Examiner: Ivars C. Cintins		TC 1700		Filing Date: February 6, 2001 Group Art Unit: 1724	
	Invention: "pH Stable Act				oup Art Onit. <u>1</u>	/24
	invention: ph Stable Act	vated Carbon				
	Transmitted herewith is an	Amendment and	d Declaration I	Under 37 C.F.R	. § 1.132 in the	e above-identified
	application.				v	
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· ÷					under 37 CFR	
				ty status under 3	37 CFR 1.27 is	enclosed.
ţ		I fee is required				
	The fee has	peen calculated	as shown belov	w:		
i .	No of Claims	Highest No.		Small	Non-Small	
	After	Highest No. Previously	Present	Entity	Entity	
Ļ	Amendment	Paid For		Rate	Rate	Charge
	Total 12	31	0	x \$ 9.00		
	Indep2	4	0	x \$ 43.00		
`	First Presentation of Multipl	e Dependent Cl	aim/s	+ \$145.00		
		<b>-</b>		TAL ADDITION		\$ 0.00
	A check in the Time.  The Commiss with this conto Deposit A Any addition	ne amount of \$_ ssioner is hereby nmunication to	is enc authorized to Deposit Accou 2650. An origi quired under 3	charge paymen nt No. 23-0650 inal and two cop 7 CFR 1.16.	t of the following the second the second this sheet the second this sheet the second the	n for Extension of ng fees associated any overpayment
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	November 17, 2003	By\_	<i></i> _			
	Date		Richard L.	n No. 28,498		
			-	or Applicants		
			700 Kopper			
			436 Seventl			
	hereby certify that this correspondence is b	· · ·		PA 15219-1818	3	
with the United States Postal Service as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA			Telephone: (412) 471-8815			
22313-1450 on November 17, 2003.			Facsimile: (412) 471-4094			
Ruth A. Walkup			E-mail: webblaw@webblaw.com			
Kint	yped Name of Person Mailing Corresponde	nce)				
Signature	· · · · · · · · · · · · · · · · · · ·	Date				



## MATERIAL SAFETY DATA SHEET

# ENVIROTROL, INC. P.O. BOX 61 SEWICKLEY, PA 15143

RECEIVED NOV 25 2003 TC 1700

#### **EMERGENCY PHONE: (724) 827-8181**

CHEMICAL NAME: Carbon

CAS REGISTRY NO.: 7440-44-0

Citric Acid

**CAS REGISTRY NO: 5949-29-1** 

TRADE NAME:

EI-30 (F), EI-30R, and EI-30 ONE NoRise<sup>™</sup> and EI-40 (F), EI-40R, and EI-40 ONE

NoRise<sup>TM</sup> Activated Carbon

FORMULA: C

 $C_6H_8O_7$ 

COMMON NAME:

Carbon

Citric Acid

**SECTION 2** 

INGREDIENTS: (Typical Values)

Carbon------85-100%
Inert Ingredients-----0- 15%

## **SECTION 3 - PHYSICAL AND CHEMICAL DATA**

o Boiling point: 8721° F, 4827° C (approx.)

o Vapor pressure: N/A o Vapor density: N/A

o Solubility in water: Insoluble

o Specific gravity  $(H_2O = 1)$ : .2 - .75

o Percent, volatile by volume: N/A

o Evaporation rate: N/A

o Appearance: Black, odorless; granular, pelletized, powder

#### SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

o Flash point: N/A

o Ignition point: 500-800° F

o Extinguishing media: Dry chemical, water fog, foam

- o Special fire fighting procedures: Wear positive pressure self-contained breathing apparatus if fire occurs in enclosed space. Oxygen starved fires may result in the release of carbon monoxide.
- o Unusual fires and explosion hazards: Avoid producing suspensions of dust during handling, and avoid exposure of suspensions to sources of ignition. Suspensions of -40 mesh powdered activated carbon may explode if exposed to strong sources of ignition.

### SECTION 5 - HEALTH HAZARD DATA

- o Eye: Carbon particles may cause physical irritation if not removed.
- o Skin contact: Constant prolonged exposure may cause dryness or chapping of exposed area.
- o Skin adsorption: Not adsorbed by skin.
- o Ingestion: No adverse affect unless quantity ingested causes physical discomfort.
- o Inhalation: No toxic affect caused by dust. As with any dust, excessive exposure should be avoided. OSHA "nuisance dust" limitations should be observed.
- o Systemic and other effects: None
- o Eyes: Irrigate with water immediately. Repeat as needed to flush particle from eye. If irritation persists, consult medical personnel.
- o Skin: Wash with soap and water to avoid skin drying or chapping.
- o Ingestion: N/A o Inhalation: N/A

### SECTION 6 - REACTIVITY DATA COMPATABILITY DATA

- o Stability: Avoid contact with strong oxidizing chemicals, such as ozone, perchloric acid, permanganate, sodium chlorite, etc. Exposure to hydrocarbons and vegetable oils may cause slow oxidation until ignition point is reached. --Contact should be avoided.
- o Incompatibility: Strong oxidizing materials.
- o Hazardous decomposition products: Oxygen starved combustion may yield carbon monoxide.
- o Hazardous polymerization: Will not occur.

### **SECTION 7 - STORAGE HANDLING AND USE**

- o Action to take for spills: Shovel and sweep material into appropriate container. If necessary wash area with water.
- o Disposal method: Reactivation, landfill or incineration, in accordance with applicable regulations.

### **SECTION 8 - PERSONNEL PROTECTION**

- o Ventilation: Local exhaust recommended to minimize dust exposure.
- o Respiratory protection: Approved "nuisance dust" dust masks should be worn in dust exposure areas.
- o Protective clothing: Protective gloves can be worn.
- o Eye protection: Safety glasses with side shields should be worn and eye wash capabilities should be available.

#### SECTION 9 - SPECIAL PRECAUTIONS AND ADDITIONAL INFORMATION

Precautions to be taken in handling and storage: Keep dry; wet carbon will adsorb oxygen and may reduce oxygen levels in confined spaces to dangerous levels. Adequate ventilation and precautions should be employed whenever closed tanks, receptacles or other enclosed spaces containing carbon are accessed. Suspensions of dust should be avoided and exposure of suspensions of dust to sources of ignition should be avoided.